



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2008
Code: 12311617
SAU: MSAD 37
School: Columbia Falls Elementary

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9
Science and Technology Results	10-12

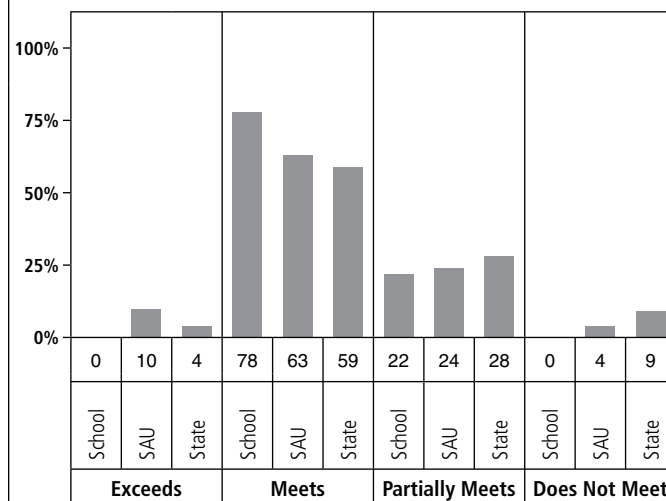
SUMMARY OF SCORES

Test Date: March 2008
Grade: 4
SAU: MSAD 37
School: Columbia Falls Elementary

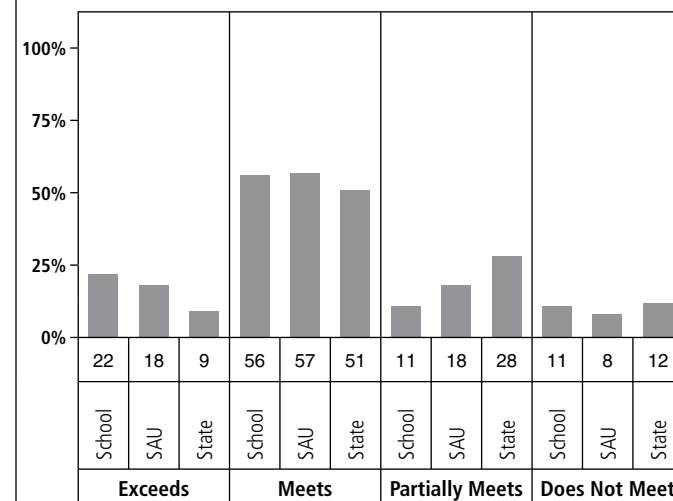
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	453	451	444
2006–2007	445	446	445
2007–2008	446	448	445
Cum. Avg. *	447	448	445
Mathematics			
2005–2006	466	454	444
2006–2007	441	448	445
2007–2008	452	450	445
Cum. Avg. *	451	450	445
Science & Technology			
2005–2006	462	454	444
2006–2007	441	448	444
2007–2008	449	449	444
Cum. Avg. *	449	450	444

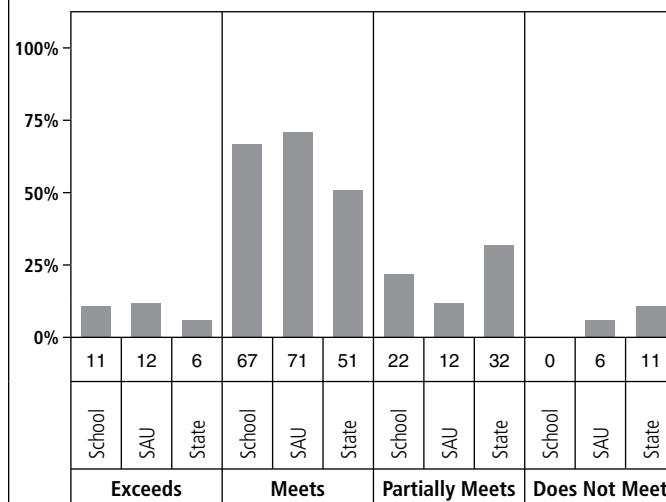
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
Grade: 4
SAU: MSAD 37
School: Columbia Falls Elementary

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	9	100	53	100	14207	100	9	100	52	98	14181	100	9	100	52	98	14123	100	9	100	52	98	14115	99						
Ethnicity African American/Black	0	0	1	2	390	3	0	0	1	100	388	99	0	0	1	100	388	99	0	0	1	100	386	99						
American Indian or Native Alaskan	0	0	0	0	101	1	0	0	0	0	101	100	0	0	0	0	101	100	0	0	0	0	101	100						
Asian or Pacific Islander	0	0	0	0	263	2	0	0	0	0	259	98	0	0	0	0	262	100	0	0	0	0	262	100						
Hispanic	0	0	2	4	170	1	0	0	2	100	168	99	0	0	2	100	166	98	0	0	2	100	166	98						
Caucasian/White	9	100	50	94	13282	93	9	100	49	98	13264	100	9	100	49	98	13205	100	9	100	49	98	13199	99						
Not Reported	0	0	0	0	1	0	0	0	0	1	100	0	0	0	0	1	100	0	0	0	0	1	100	0						
Identified disability	1	11	11	21	2524	18	1	100	11	100	2514	100	1	100	11	100	2498	99	1	100	11	100	2494	99						
Current LEP	0	0	2	4	385	3	0	0	2	100	377	98	0	0	2	100	383	99	0	0	2	100	380	99						
Economically disadvantaged	5	56	31	58	5587	39	5	100	31	100	5569	100	5	100	31	100	5538	99	5	100	31	100	5534	99						
Migrant	0	0	1	2	5	0	0	0	1	100	5	100	0	0	1	100	5	100	0	0	1	100	5	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	8	89	43	81	10755	76	8	89	45	85	10730	76	8	89	43	81	10776	76						
Identified disability (PET/IEP)	0	0	2	5	375	3	0	0	4	9	374	3	0	0	2	5	384	4						
LEP	0	0	2	5	148	1	0	0	2	4	148	1	0	0	2	5	150	1						
504 plan	0	0	0	0	114	1	0	0	0	0	114	1	0	0	0	0	115	1						
Participation with accommodations	1	11	8	15	3298	23	1	11	6	11	3267	23	1	11	8	15	3215	23						
Identified disability (PET/IEP)	1	100	8	100	2013	61	1	100	6	100	1998	61	1	100	8	100	1986	62						
LEP	0	0	0	0	225	7	0	0	0	0	233	7	0	0	0	0	229	7						
504 plan	0	0	0	0	69	2	0	0	0	0	68	2	0	0	0	0	67	2						
Other	0	0	0	0	1046	32	0	0	0	0	1023	31	0	0	0	0	987	31						
Participation through alternate assessment (PAAP)	0	0	1	2	126	1	0	0	1	2	126	1	0	0	1	2	124	1						
Identified disability (PET/IEP)	0	0	1	100	126	100	0	0	1	100	126	100	0	0	1	100	124	100						
LEP	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0	0	1	1						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0																		
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0						
Non-participation – other	0	0	1	2	11	0	0	0	1	2	68	0	0	0	1	2	80	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 4
SAU: MSAD 37
School: Columbia Falls Elementary

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006	1	17	9	17	601	4
	2006-2007	0	0	1	1	507	4
	2007-2008	0	0	5	10	559	4
	Cum. Total*	1	4	15	9	1667	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006	4	67	33	61	7910	57
	2006-2007	7	70	47	70	8749	63
	2007-2008	7	78	32	63	8308	59
	Cum. Total*	18	72	112	65	24967	60
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006	1	17	10	19	3970	29
	2006-2007	1	10	16	24	3467	25
	2007-2008	2	22	12	24	3922	28
	Cum. Total*	4	16	38	22	11359	27
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006	0	0	2	4	1421	10
	2006-2007	2	20	3	4	1165	8
	2007-2008	0	0	2	4	1264	9
	Cum. Total*	2	8	7	4	3850	9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	48	100	31.8	66.3	31.9	66.5	29.7	61.9
Literary Text	24	50	16.1	67.1	16.5	68.8	15.5	64.6
Informational Text	24	50	15.7	65.4	15.4	64.2	14.2	59.2

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: MSAD 37
 School: Columbia Falls Elementary

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	9	0	0	7	78	2	22	0	0	446	51	10	63	24	4	448	14053	4	59	28	9	445
Ethnicity																						
African American/Black	0										1						384	1	36	35	28	438
American Indian or Native Alaskan	0										0						101	1	46	44	10	442
Asian or Pacific Islander	0										0						259	6	61	22	11	445
Hispanic	0										2						164	0	45	38	16	440
Caucasian/White	9	0	0	7	78	2	22	0	0	446	48	10	60	25	4	447	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	1										10	0	60	30	10	443	2388	0	29	44	26	437
No	8	0	0	7	88	1	13	0	0	447	41	12	63	22	2	449	11665	5	65	25	6	446
Current LEP																						
Yes	0										2						373	1	32	35	32	436
No	9	0	0	7	78	2	22	0	0	446	49	10	61	24	4	448	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	5	0	0	3	60	2	40	0	0	446	30	7	63	27	3	448	5502	1	47	37	14	441
No	4										21	14	62	19	5	448	8551	6	67	22	5	447
Migrant																						
Yes	0										1						5	0	40	60	0	445
No	9	0	0	7	78	2	22	0	0	446	50	10	62	24	4	448	14048	4	59	28	9	445
Gender																						
Female	4										26	19	54	19	8	449	6959	5	61	26	8	446
Male	5	0	0	3	60	2	40	0	0	444	25	0	72	28	0	446	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	3										16	0	44	44	13	440	1890	0	37	46	17	439
No	6	0	0	6	100	0	0	0	0	449	35	14	71	14	0	451	12163	5	63	25	8	446
Gifted/talented program																						
Yes	0										0						266	21	74	4	0	456
No	9	0	0	7	78	2	22	0	0	446	51	10	63	24	4	448	13787	4	59	28	9	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 4
SAU: MSAD 37
School: Columbia Falls Elementary

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	100	0	0	7	78	2	22	0	0	446	27	0	79	21	0	448	5	1	42	36	21	440
B. less than one hour	0										45	17	65	13	4	449	74	4	62	27	7	445
C. one to two hours	0										27	7	43	43	7	446	18	5	59	29	7	446
D. more than two hours	0										0						2	3	32	34	31	438
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	67	0	0	4	67	2	33	0	0	446	35	6	61	33	0	449	30	6	63	24	7	446
B. They match some of what I have learned.	33	0	0	3	100	0	0	0	0	445	57	14	62	21	3	448	52	4	63	27	6	446
C. They match just a little of what I have learned.	0										4	0	100	0	0	446	12	2	46	37	15	441
D. There is no match.	0										4	0	50	0	50	431	5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	22	0	0	2	100	0	0	0	0	443	18	0	89	0	11	448	35	7	66	20	6	448
B. good	67	0	0	5	83	1	17	0	0	448	63	16	66	19	0	451	51	3	60	29	7	445
C. fair	11	0	0	0	0	1	100	0	0	440	18	0	33	67	0	441	12	1	44	40	16	440
D. poor	0										2	0	0	0	100	414	2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	0										14	14	43	29	14	443	19	2	46	34	17	442
B. about the same as my regular schoolwork	89	0	0	7	88	1	13	0	0	447	64	9	69	22	0	449	62	5	64	26	5	446
C. easier than my regular schoolwork	11	0	0	0	0	1	100	0	0	440	22	9	55	27	9	447	18	3	58	29	10	444
How hard were the reading passages on this test?																						
A. Most of the passages were more difficult than what I usually read.	0										16	0	38	50	13	440	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	78	0	0	5	71	2	29	0	0	446	58	10	69	21	0	449	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	22	0	0	2	100	0	0	0	0	445	26	15	62	15	8	449	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	33	0	0	2	67	1	33	0	0	446	24	17	42	42	0	448	18	7	64	22	7	447
B. 20 minutes to an hour	44	0	0	3	75	1	25	0	0	447	43	9	68	23	0	449	55	4	64	26	6	446
C. less than 20 minutes	22	0	0	2	100	0	0	0	0	445	18	11	78	11	0	450	14	2	53	33	12	443
D. I rarely read at home.	0										16	0	63	13	25	441	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	22	0	0	2	100	0	0	0	0	443	18	0	44	33	22	438	23	3	50	34	13	442
B. six to ten pages	56	0	0	3	60	2	40	0	0	446	22	0	55	45	0	446	25	3	60	29	8	444
C. eleven or more pages	22	0	0	2	100	0	0	0	0	449	60	17	70	13	0	451	52	5	64	24	6	446
Optional school/SAU question																						
A.	0										0											
B.	0										50	0	100	0	0	448						
C.	0										50	100	0	0	0	466						
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 4
SAU: MSAD 37
School: Columbia Falls Elementary

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006	3	50	16	30	1294	9
	2006-2007	0	0	4	6	1054	8
	2007-2008	2	22	9	18	1321	9
	Cum. Total*	5	20	29	17	3669	9
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 441–460)	2005-2006	3	50	24	44	7000	50
	2006-2007	7	70	46	69	7394	53
	2007-2008	5	56	29	57	7079	51
	Cum. Total*	15	60	99	58	21473	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006	0	0	11	20	3784	27
	2006-2007	1	10	13	19	3729	27
	2007-2008	1	11	9	18	3955	28
	Cum. Total*	2	8	33	19	11468	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006	0	0	3	6	1894	14
	2006-2007	2	20	4	6	1735	12
	2007-2008	1	11	4	8	1642	12
	Cum. Total*	3	12	11	6	5271	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	10.7	71.3	10.5	70.0	9.5	63.3
Cluster 2: Shape and Size	14	29	10.9	77.9	10.0	71.4	9.1	65.0
Cluster 3: Mathematical Decision Making	5	10	3.8	76.0	3.7	74.0	3.4	68.0
Cluster 4: Patterns	14	29	10.0	71.4	10.1	72.1	9.7	69.3

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: MSAD 37
 School: Columbia Falls Elementary

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	9	2	22	5	56	1	11	1	11	452	51	18	57	18	8	450	13997	9	51	28	12	445
Ethnicity																						
African American/Black	0										1						386	4	26	34	36	434
American Indian or Native Alaskan	0										0						101	3	46	41	11	442
Asian or Pacific Islander	0										0						262	14	51	23	12	447
Hispanic	0										2						162	4	41	34	21	440
Caucasian/White	9	2	22	5	56	1	11	1	11	452	48	17	58	17	8	450	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	1										10	10	40	40	10	444	2372	3	31	36	30	436
No	8	2	25	5	63	1	13	0	0	455	41	20	61	12	7	452	11625	11	54	27	8	447
Current LEP																						
Yes	0										2						381	4	33	28	35	435
No	9	2	22	5	56	1	11	1	11	452	49	18	57	16	8	450	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	5	1	20	3	60	0	0	1	20	450	30	17	63	7	13	450	5472	5	41	35	19	440
No	4										21	19	48	33	0	450	8525	13	56	24	7	448
Migrant																						
Yes	0										1						5	0	80	20	0	448
No	9	2	22	5	56	1	11	1	11	452	50	18	56	18	8	450	13992	9	51	28	12	445
Gender																						
Female	4										26	19	58	15	8	451	6933	9	50	29	12	445
Male	5	2	40	2	40	0	0	1	20	454	25	16	56	20	8	449	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	3										16	0	38	38	25	437	1890	2	34	41	23	438
No	6	2	33	4	67	0	0	0	0	459	35	26	66	9	0	456	12107	11	53	26	10	446
Gifted/talented program																						
Yes	0										0						266	45	49	5	0	461
No	9	2	22	5	56	1	11	1	11	452	51	18	57	18	8	450	13731	9	51	29	12	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 4
SAU: MSAD 37
School: Columbia Falls Elementary

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	100	2	22	5	56	1	11	1	11	452	27	21	57	7	14	451	5	6	34	33	27	438
B. less than one hour	0										45	17	61	17	4	452	74	10	52	28	10	446
C. one to two hours	0										27	14	50	29	7	447	18	10	52	28	10	446
D. more than two hours	0										0						2	5	33	28	34	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	56	1	20	3	60	1	20	0	0	454	24	8	67	25	0	448	38	13	56	23	8	448
B. They match some of what I have learned.	44	1	25	2	50	0	0	1	25	449	65	24	55	15	6	453	48	8	52	29	10	445
C. They match just a little of what I have learned.	0										10	0	60	20	20	443	10	4	35	39	22	439
D. There is no match.	0										2	0	0	0	100	408	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	33	0	0	2	67	1	33	0	0	447	39	15	65	15	5	450	35	16	55	20	8	449
B. good	44	2	50	2	50	0	0	0	0	460	45	26	48	17	9	451	48	7	52	31	11	445
C. fair	22	0	0	1	50	0	0	1	50	442	16	0	63	25	13	447	14	3	41	38	18	440
D. poor	0										0						3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	0										16	25	38	38	0	449	15	4	38	33	25	439
B. about the same as my regular schoolwork	78	2	29	4	57	1	14	0	0	454	66	21	64	15	0	453	64	10	54	28	9	446
C. easier than my regular schoolwork	22	0	0	1	50	0	0	1	50	444	18	0	56	11	33	443	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	78	1	14	4	57	1	14	1	14	448	20	10	60	20	10	447	23	8	47	29	16	443
B. two or three days a week	22	1	50	1	50	0	0	0	0	465	28	14	64	21	0	451	36	11	54	27	9	447
C. two or three times each month	0										10	0	80	20	0	450	25	10	53	27	10	446
D. never or almost never	0										42	29	48	14	10	453	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	0										2	0	0	100	0	438	5	3	30	33	33	436
B. two or three days a week	0										10	0	60	40	0	448	19	8	50	30	12	445
C. two or three times each month	0										14	14	71	14	0	452	38	11	55	26	8	447
D. never or almost never	100	2	22	5	56	1	11	1	11	452	74	22	57	14	8	451	38	9	50	29	12	445
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	22	0	0	1	50	0	0	1	50	438	6	0	67	0	33	443	8	3	33	38	25	438
B. 30–45 minutes	33	1	33	1	33	1	33	0	0	453	29	13	47	27	13	445	27	6	48	33	13	443
C. 45–60 minutes	44	1	25	3	75	0	0	0	0	458	39	25	55	15	5	453	38	11	54	26	9	447
D. more than 60 minutes	0										25	15	69	15	0	454	26	13	55	23	9	448
Optional school/SAU question																						
A.	0										0											
B.	0										50	0	100	0	0	460						
C.	0										50	100	0	0	0	466						
D.	0										0											

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 4
SAU: MSAD 37
School: Columbia Falls Elementary

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006	2	33	14	26	751	5
	2006-2007	0	0	9	13	963	7
	2007-2008	1	11	6	12	882	6
	Cum. Total*	3	12	29	17	2596	6
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006	4	67	30	56	7251	52
	2006-2007	7	70	40	60	6824	49
	2007-2008	6	67	36	71	7130	51
	Cum. Total*	17	68	106	62	21205	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006	0	0	8	15	4514	32
	2006-2007	1	10	14	21	4382	32
	2007-2008	2	22	6	12	4433	32
	Cum. Total*	3	12	28	16	13329	32
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006	0	0	2	4	1458	10
	2006-2007	2	20	4	6	1735	12
	2007-2008	0	0	3	6	1546	11
	Cum. Total*	2	8	9	5	4739	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	12	25	8.8	73.3	9.1	75.8	8.0	66.7
Cluster 2: Physical Sciences	12	25	8.2	68.3	7.5	62.5	7.2	60.0
Cluster 3: Earth and Space Sciences	12	25	9.0	75.0	8.5	70.8	7.4	61.7
Cluster 4: Nature and Implications of Science	12	25	7.8	65.0	8.4	70.0	7.6	63.3

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 4
SAU: MSAD 37
School: Columbia Falls Elementary

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	9	1	11	6	67	2	22	0	0	449	51	12	71	12	6	449	13991	6	51	32	11	444
Ethnicity																						
African American/Black	0										1						385	2	27	35	36	434
American Indian or Native Alaskan	0										0						101	3	44	44	10	441
Asian or Pacific Islander	0										0						262	5	52	28	14	443
Hispanic	0										2						162	2	38	39	21	439
Caucasian/White	9	1	11	6	67	2	22	0	0	449	48	10	71	13	6	449	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	1										10	10	70	10	10	447	2370	2	32	41	25	437
No	8	1	13	5	63	2	25	0	0	450	41	12	71	12	5	450	11621	7	55	30	8	445
Current LEP																						
Yes	0										2						379	1	25	35	39	433
No	9	1	11	6	67	2	22	0	0	449	49	12	69	12	6	449	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	5	0	0	4	80	1	20	0	0	446	30	7	80	10	3	449	5470	3	41	39	18	440
No	4										21	19	57	14	10	450	8521	9	57	27	7	446
Migrant																						
Yes	0										1						5	20	20	40	20	443
No	9	1	11	6	67	2	22	0	0	449	50	12	70	12	6	449	13986	6	51	32	11	444
Gender																						
Female	4										26	12	65	15	8	448	6929	6	49	33	12	443
Male	5	1	20	3	60	1	20	0	0	452	25	12	76	8	4	450	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	3										16	0	56	31	13	442	1888	1	32	44	23	437
No	6	1	17	5	83	0	0	0	0	454	35	17	77	3	3	453	12103	7	54	30	9	445
Gifted/talented program																						
Yes	0										0						266	30	65	5	1	457
No	9	1	11	6	67	2	22	0	0	449	51	12	71	12	6	449	13725	6	51	32	11	444

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 4
SAU: MSAD 37
School: Columbia Falls Elementary

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	100	1	11	6	67	2	22	0	0	449	27	14	64	21	0	450	5	4	37	36	22	439
B. less than one hour	0										45	13	78	9	0	451	74	6	53	31	10	444
C. one to two hours	0										27	7	64	7	21	445	18	7	52	32	8	445
D. more than two hours	0										0						2	4	31	33	32	437
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	67	1	17	3	50	2	33	0	0	450	33	12	65	18	6	449	24	9	53	28	10	446
B. They match some of what I have learned.	33	0	0	3	100	0	0	0	0	449	49	12	84	0	4	451	49	6	54	31	9	445
C. They match just a little of what I have learned.	0										18	11	44	33	11	445	21	4	47	36	13	442
D. There is no match.	0										0						6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	22	0	0	0	0	2	100	0	0	438	20	10	60	20	10	445	25	9	53	27	10	446
B. good	56	1	20	4	80	0	0	0	0	454	59	13	73	10	3	450	54	6	55	30	9	445
C. fair	22	0	0	2	100	0	0	0	0	450	16	13	75	0	13	450	19	3	43	40	15	441
D. poor	0										6	0	67	33	0	448	3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	0										18	33	56	11	0	454	22	5	45	35	15	442
B. about the same as my regular schoolwork	89	0	0	6	75	2	25	0	0	447	55	7	75	11	7	447	62	7	53	31	9	445
C. easier than my regular schoolwork	11	1	100	0	0	0	0	0	0	466	27	7	71	14	7	449	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	22	0	0	1	50	1	50	0	0	446	10	0	80	20	0	451	24	7	48	33	12	444
B. a few times a week	56	0	0	4	80	1	20	0	0	447	57	14	62	17	7	448	53	7	54	31	9	445
C. once a week	11	0	0	1	100	0	0	0	0	450	6	0	100	0	0	451	9	6	46	33	15	442
D. a few times a month	11	1	100	0	0	0	0	0	0	466	27	14	79	0	7	451	14	5	50	31	14	443
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	22	0	0	2	100	0	0	0	0	447	39	15	65	10	10	448	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	44	1	25	2	50	1	25	0	0	454	12	17	50	33	0	450	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	0										37	5	89	0	5	450	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	33	0	0	2	67	1	33	0	0	445	12	17	50	33	0	447	22	9	55	26	9	446
Optional school/SAU question																						
A.	0										0											
B.	0										50	0	100	0	0	454						
C.	0										50	0	100	0	0	460						
D.	0										0											